

URGENCY IMPACT STATEMENT

22 October 2012

1. **Rationale to support an expedited procurement of the materials/services outside the scope of normal procurement timeframes.**

ISSC SW Materials Laboratory presently uses the F-5 Debulk Tool (Fig. 1) for the fabrication of F/A-18E/F patch/test coupons that are required for the certification process of the depot's structural adhesive materials and for in-laboratory research/special tasks.

The following paragraph is the first note taken from the F-5 Debulk Tool drawing (# E96013, CAGE Code 91145):

"Purpose: To provide a portable vacuum fixture to be used to pre-stage the curing process of the boron patches for repair of the F-5 Vertical Stabilizer. The vacuum tool will apply heat and a double vacuum to the boron patch much like an autoclave. The portability of the tool will accommodate field use."

Once the debulk tool is set up for the F/A-18E/F Double Vacuum Debulk (DVD) process approximately five cycles can be performed before the box shaped lid (see Fig. 1) crushes the insulation surrounding the heat blanket wires exposing bare wires. The Composite Repair Set, used for providing electrical current to the heat blanket, transmits electrical current through the heat blanket wires to the heat blanket. Once these wires are bare the electrical current can be transmitted through the box shaped aluminum lid which can be, and has been, energized posing both a significant personnel safety hazard and leading to equipment failure.

2. **Waiver of synopsis (requirements estimated greater than \$25k): provide rationale why a normal acquisition processing should not occur.**

The significant personnel safety hazard mentioned above must be resolved as soon as possible.

Also, the typical acquisition processing cycle requires several months to complete. Funds are presently available for this procurement. These funds will expire by November